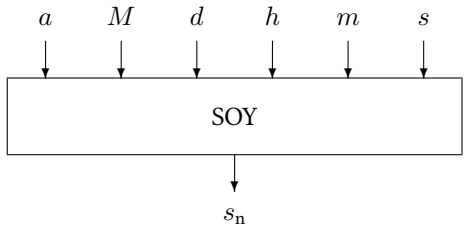
## Block SOY

The SOY block returns the second of the year.

8760
×3600




| | |
|---|---|
| **Name** | SOY |
| **Function** | fb0023 |
| **Inputs** | 6 |
| **Outputs** | 1 |
| **Parameters** | 0 |
| **Strings** | 0 |
| **Group** | S |

### Inputs

| | |
|---|---|
| 1 | Year $a$ |
| 2 | Month $M$ |
| 3 | Day $d$ |
| 4 | Hour $h$ |
| 5 | Minute $m$ |
| 6 | Second $s$ |

### Outputs

| | |
|---|---|
| 1 | Second of the year $s_n \in [1, 31\,622\,400]$ |

### Parameters

None

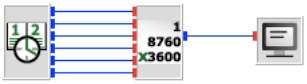
### Strings

None

### Remarks

Due to the limited accuracy of the Fortran Real*4 format at the end of a year some deviations in the range of 10 seconds may occur.

soy.vseit




A CLOCK block provides the last ten seconds of the year 2010. Date and time are converted into the second of the year by the SOY block. The result is displayed by the SCREEN block

```
31535992.
31535992.
31535992.
31535994.
31535996.
31535996.
31535996.
31535998.
31536000.
31536000.
```